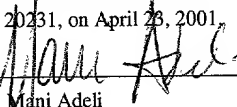


CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Assistant Commissioner for Patents, Washington, D.C. 20231, on April 23, 2001.


Mani Adeli

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Steven Teig et al.

Serial No.: 09/731,891

Filing Date: 12/6/00

For: METHOD AND APPARATUS FOR
CONSIDERING DIAGONAL WIRING
IN PLACEMENT

Examiner: <not yet assigned>

Group Art Unit: 2825

SUBMISSION OF CORRECTED DRAWINGS

Box Missing Parts
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

This Submission of Corrected Drawings is submitted in conjunction with the response to the Notice to File Missing Parts of Application, which required the Applicants to submit formal drawings.


Applicants have submitted twenty-eight (28) sheets of formal drawings. Applicants have made minor corrections in three of these sheets for Figures 12, 14A and 14B. A red-lined version of these corrections accompanies this Submission of Corrected Drawings.

No new matter has been added in the three corrected sheets, as all the corrections are supported by the discussion in the specification. See page 27, lines 8-12 in reference to corrected Figure 12, page 32, lines 12-16 in reference to corrected Figure 14A, and page 32, line 19 to page 33, line 4 in reference to corrected Figure 14B.

Respectfully submitted,

Dated: April 23, 2001

By:


Mami Adeli
Registration No. 39,585

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PO Box 51860
Palo Alto, California 94303-0728
Telephone: (650) 934-0470, ext. 102
Facsimile: (650) 934-0475

09/731,891-0470-1687E60

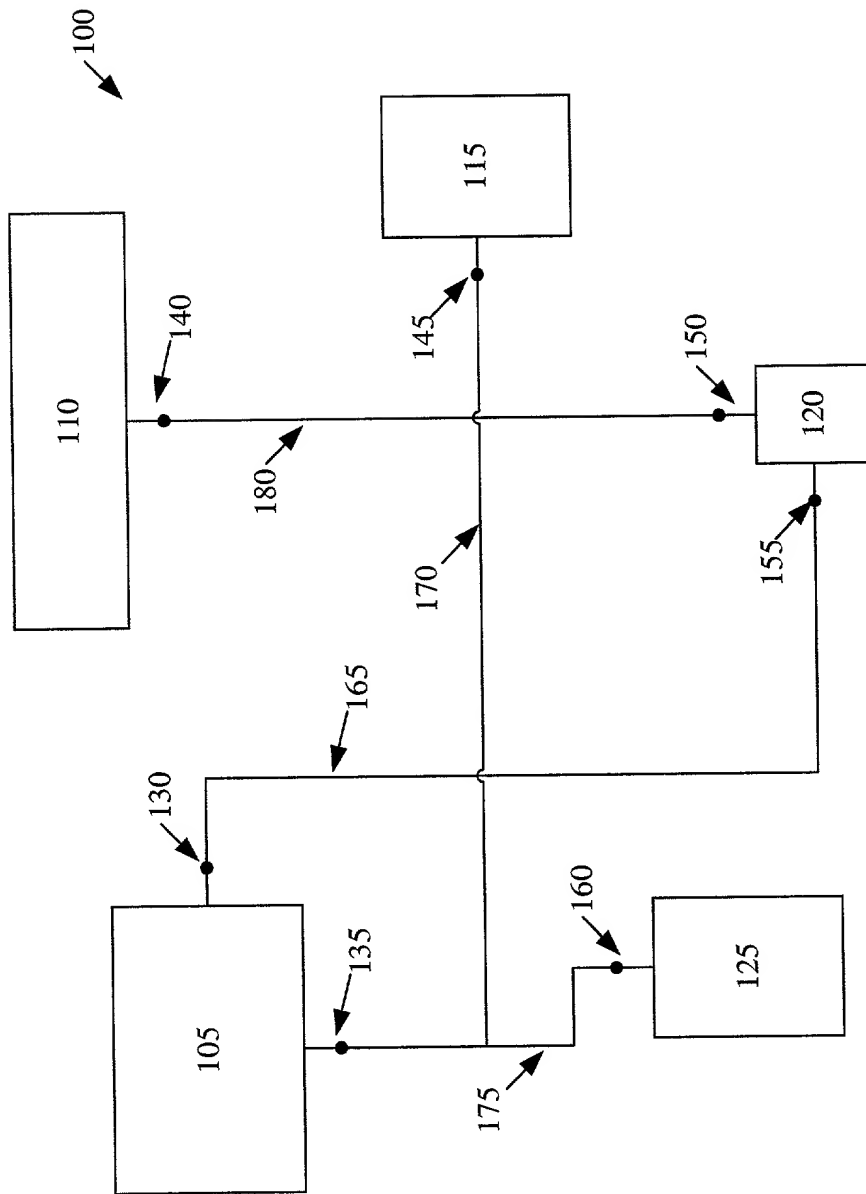


Figure 1

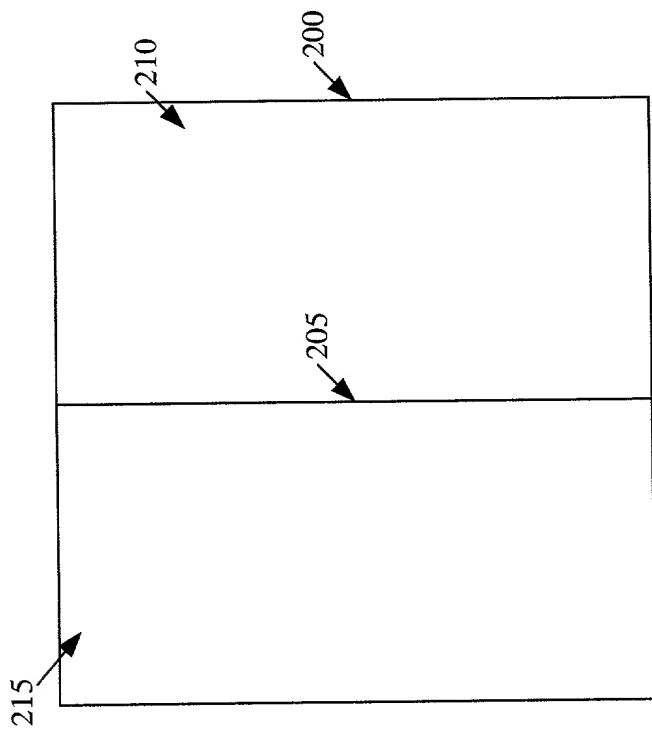


Figure 2

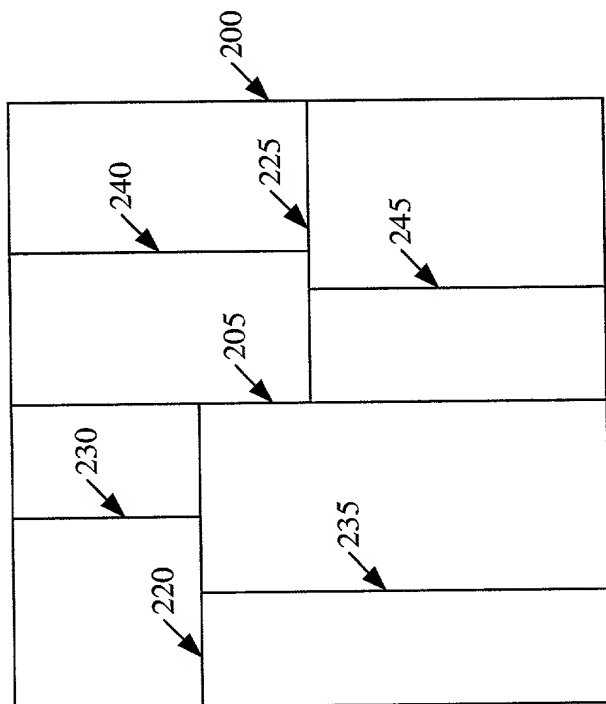


Figure 3

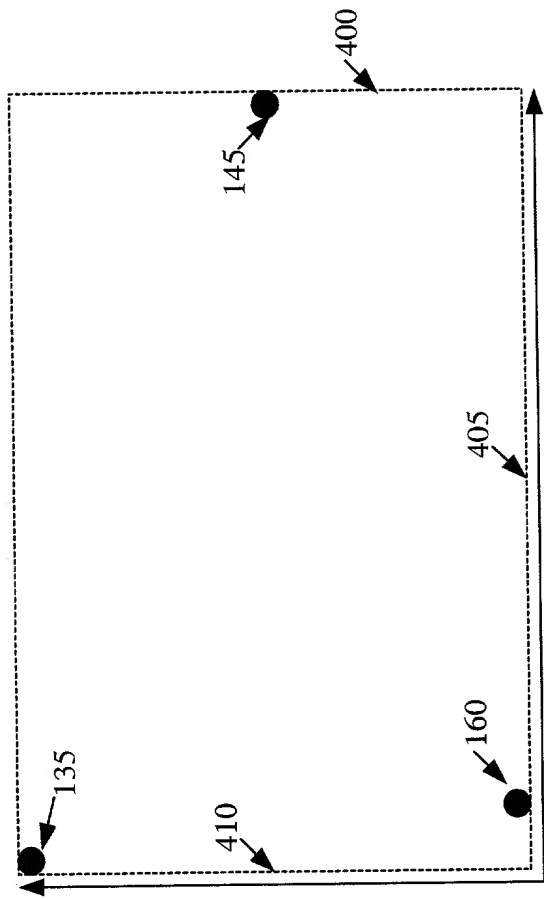


Figure 4

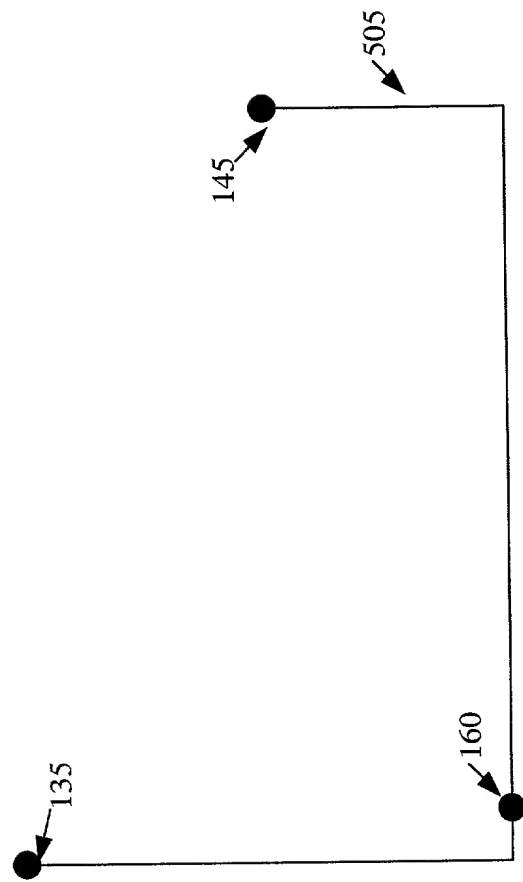


Figure 5

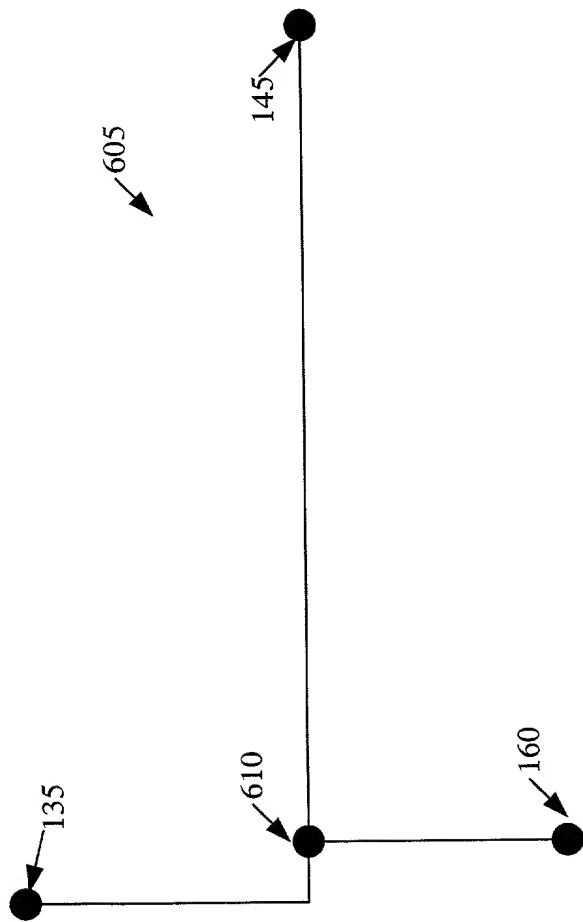


Figure 6

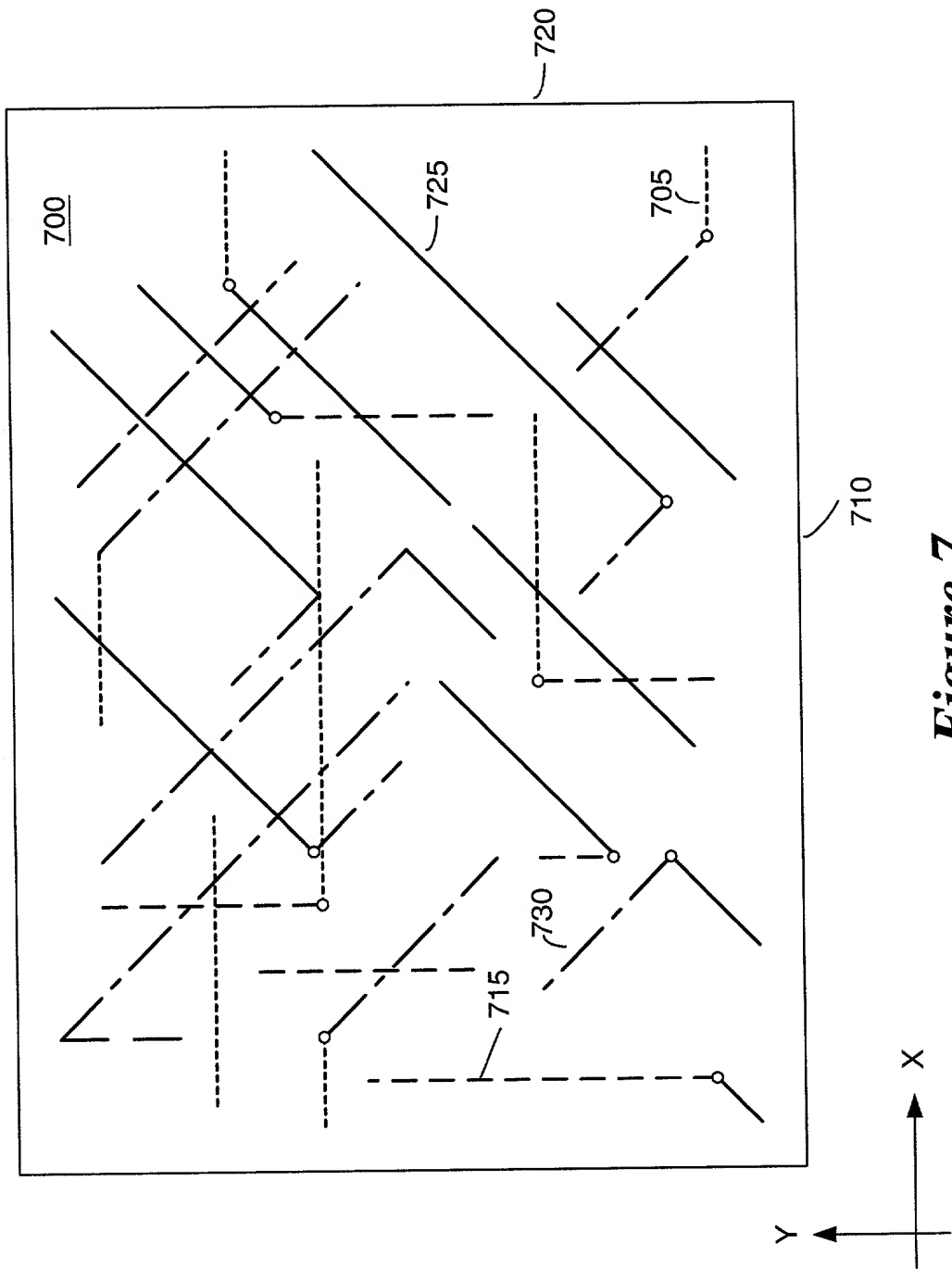


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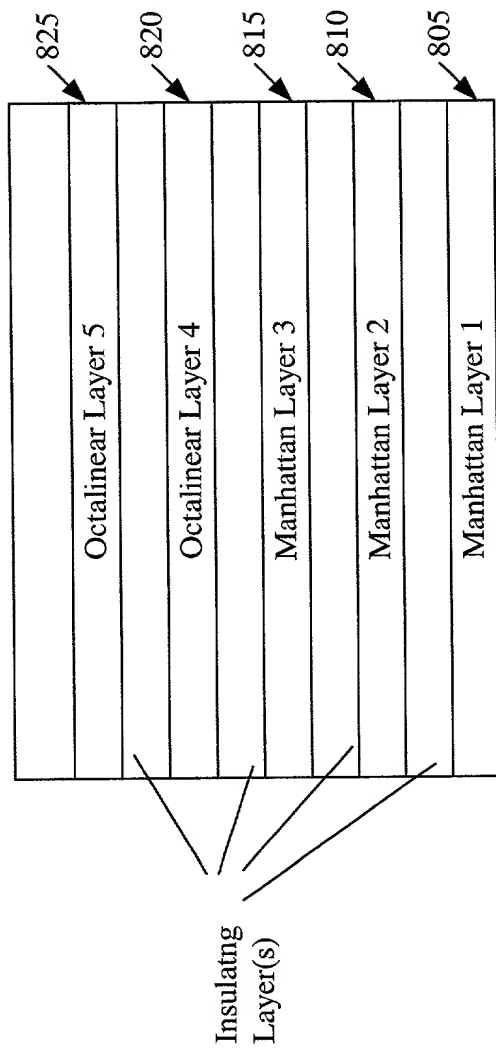


Figure 8

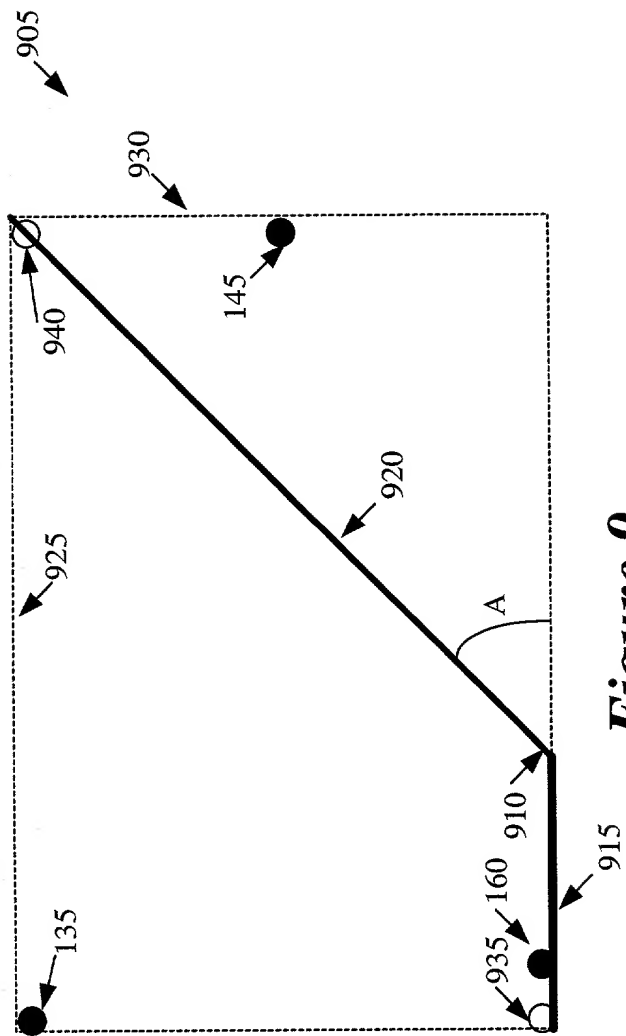


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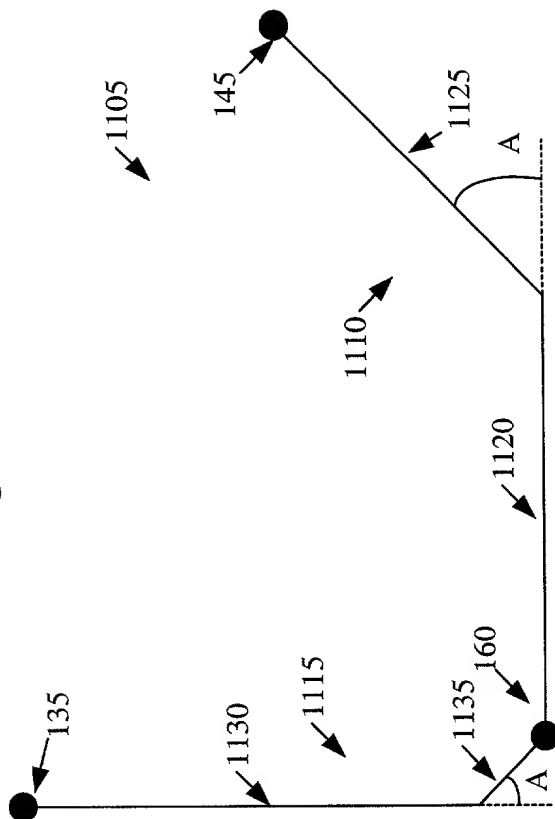


Figure 11

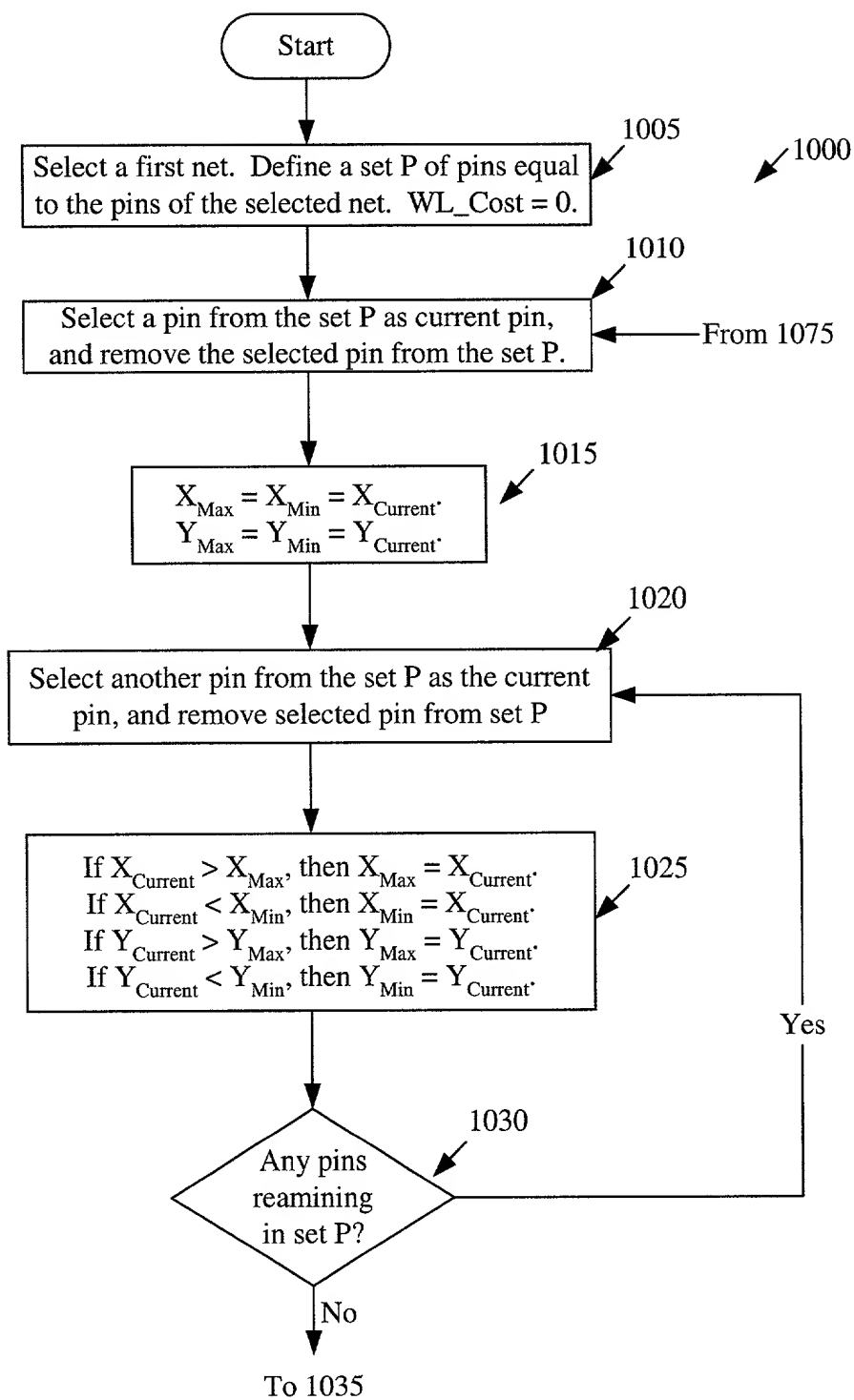


Figure 10A

Figure 10: Figure 10A
Figure 10B

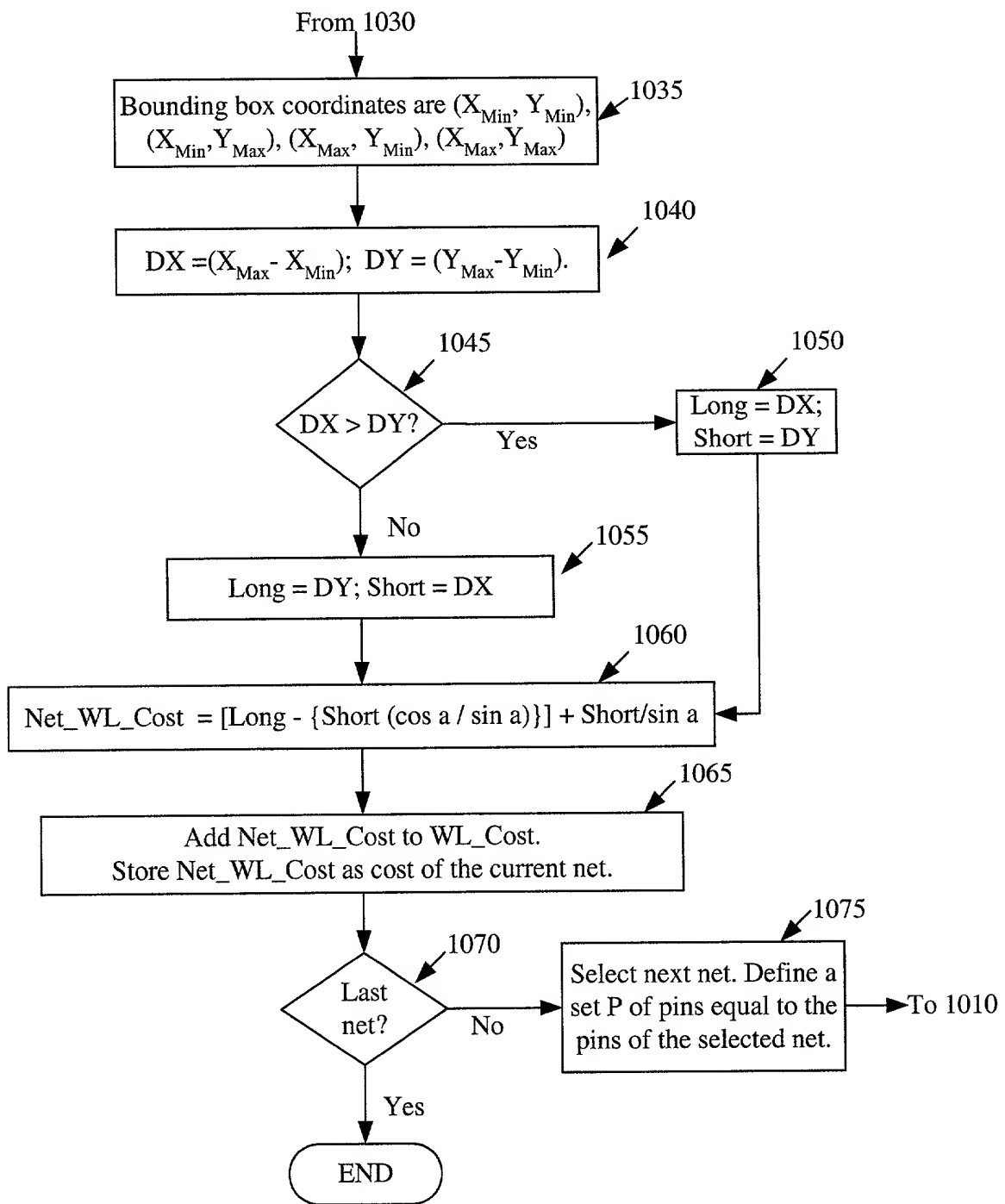


Figure 10B

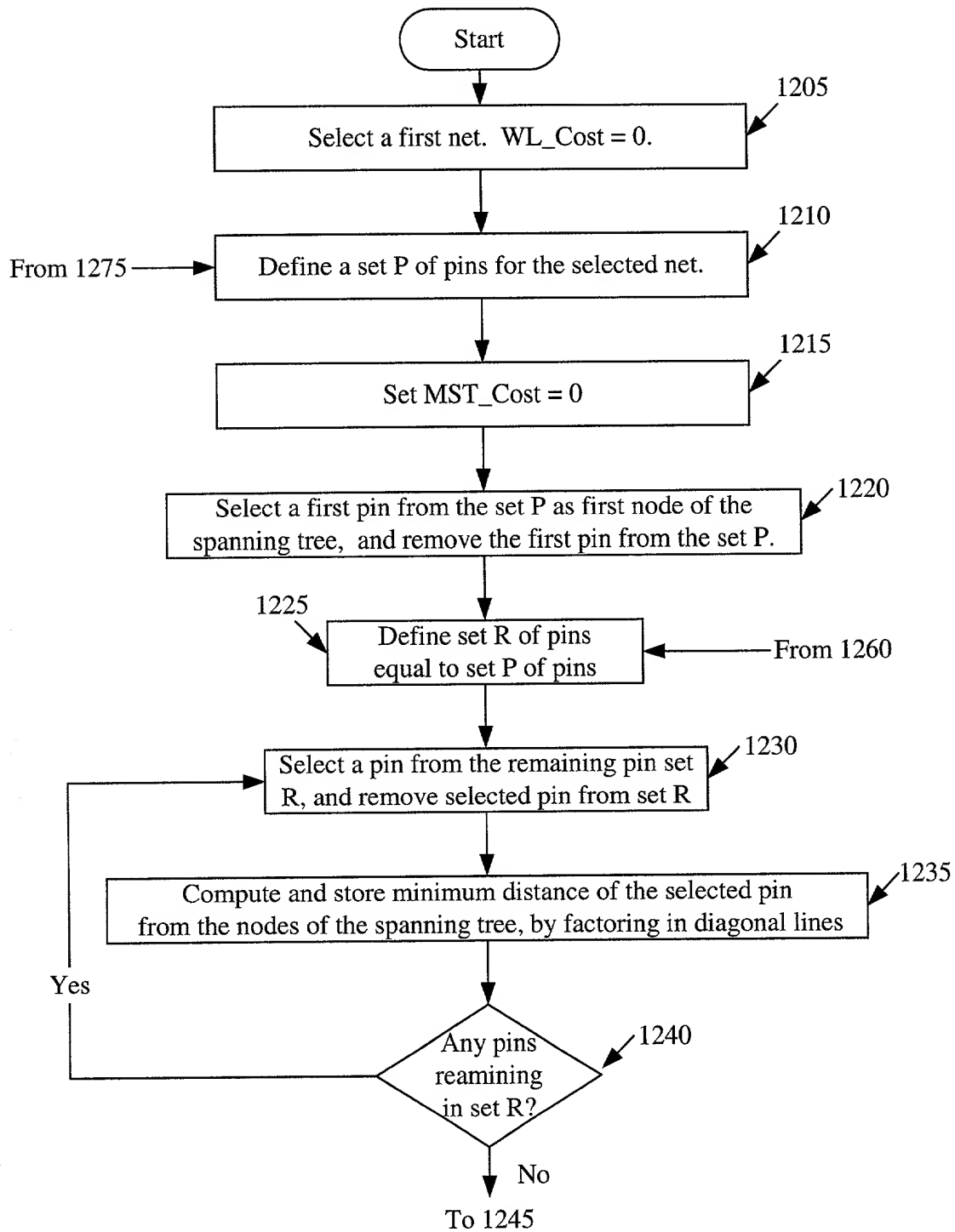


Figure 12A

Figure 12: Figure 12A
Figure 12B

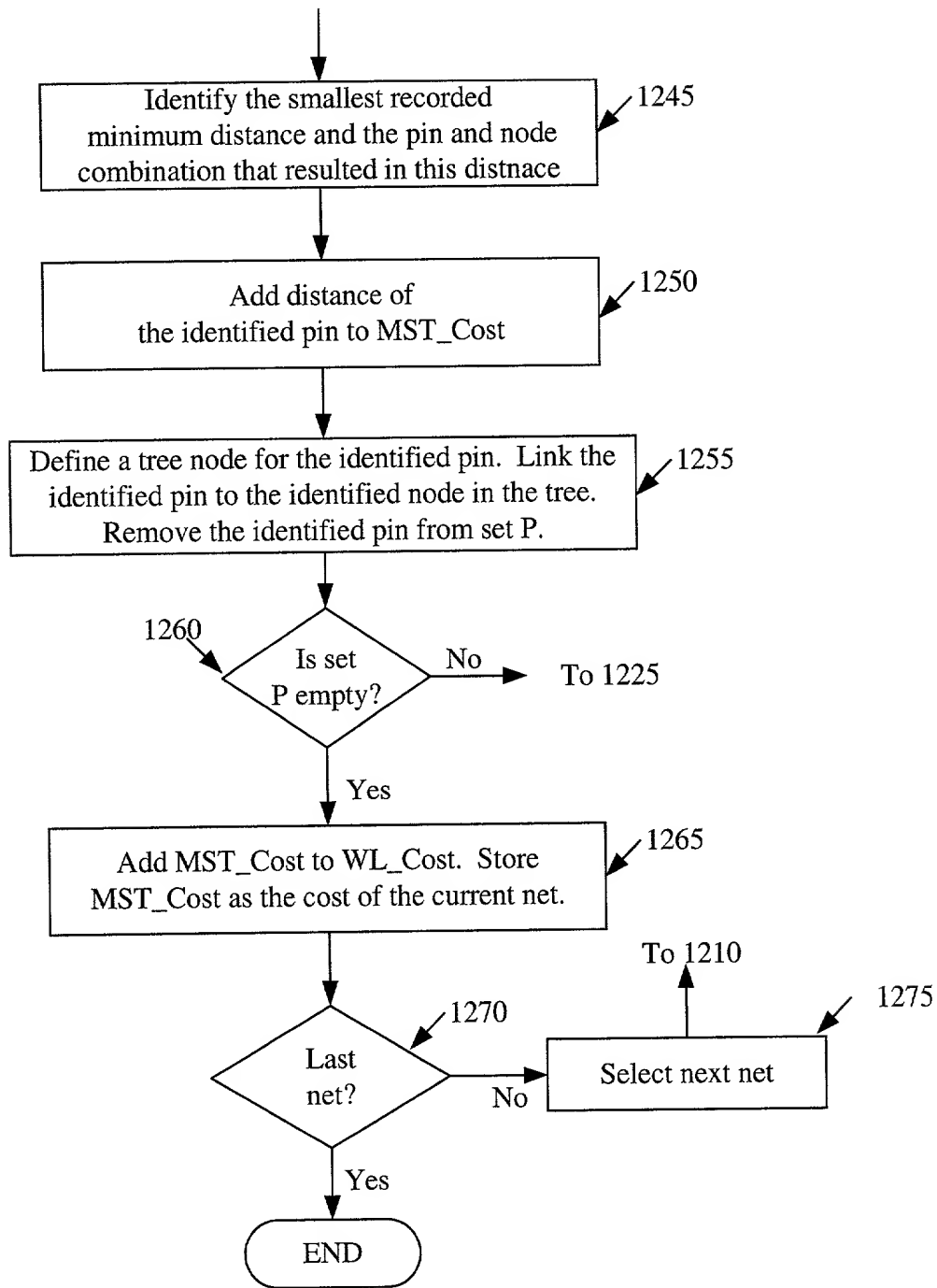


Figure 12B

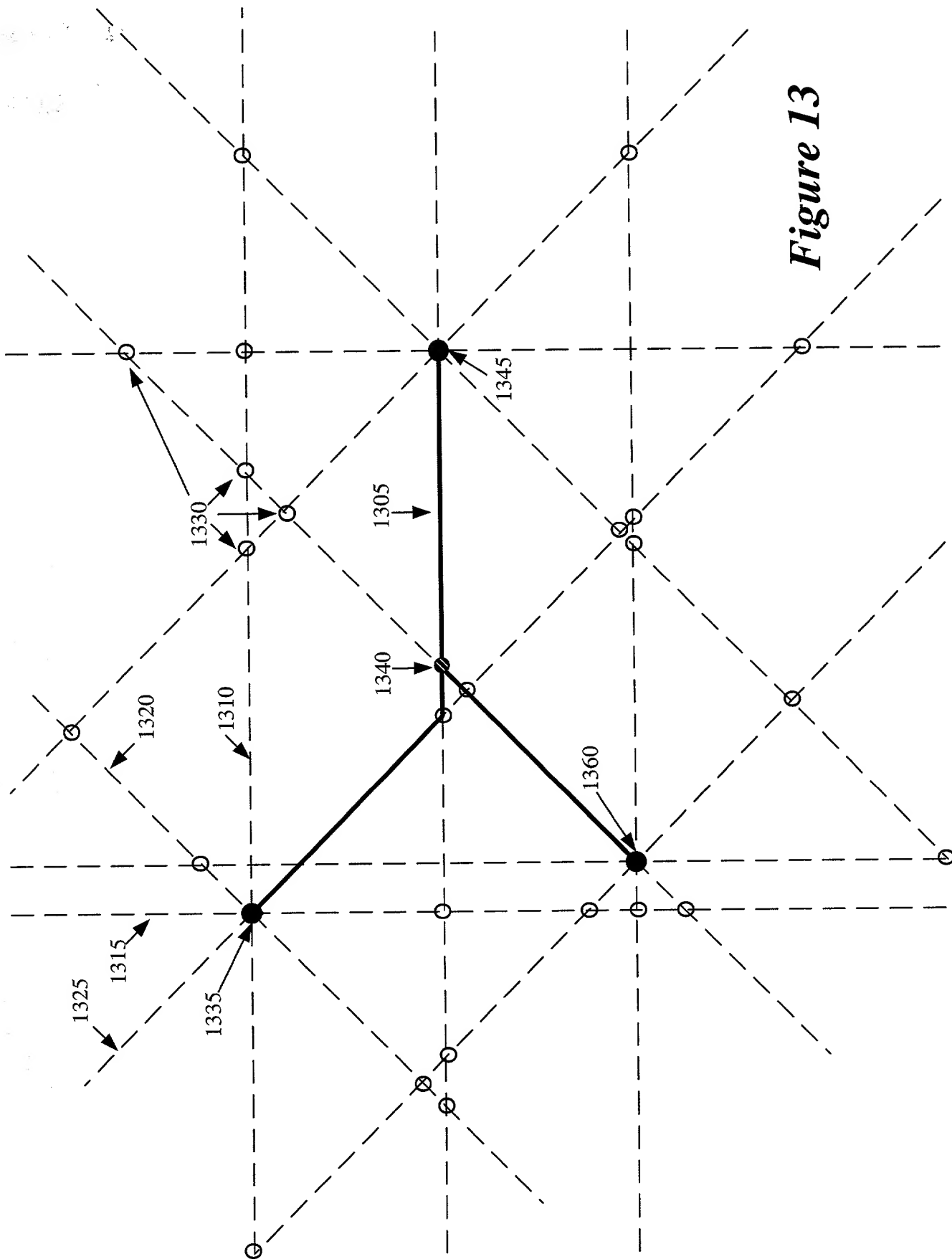


Figure 13

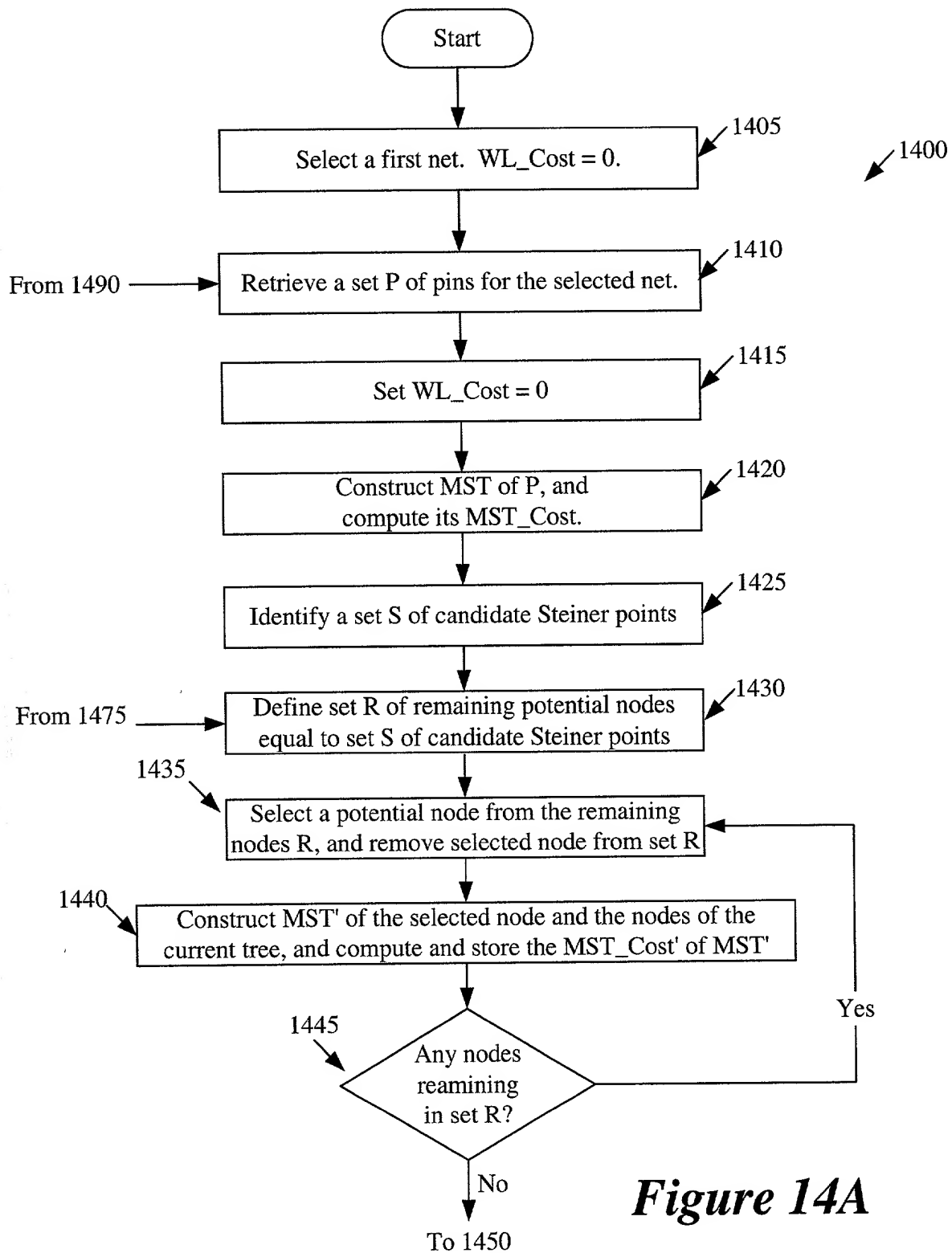


Figure 14: Figure 14A
Figure 14B

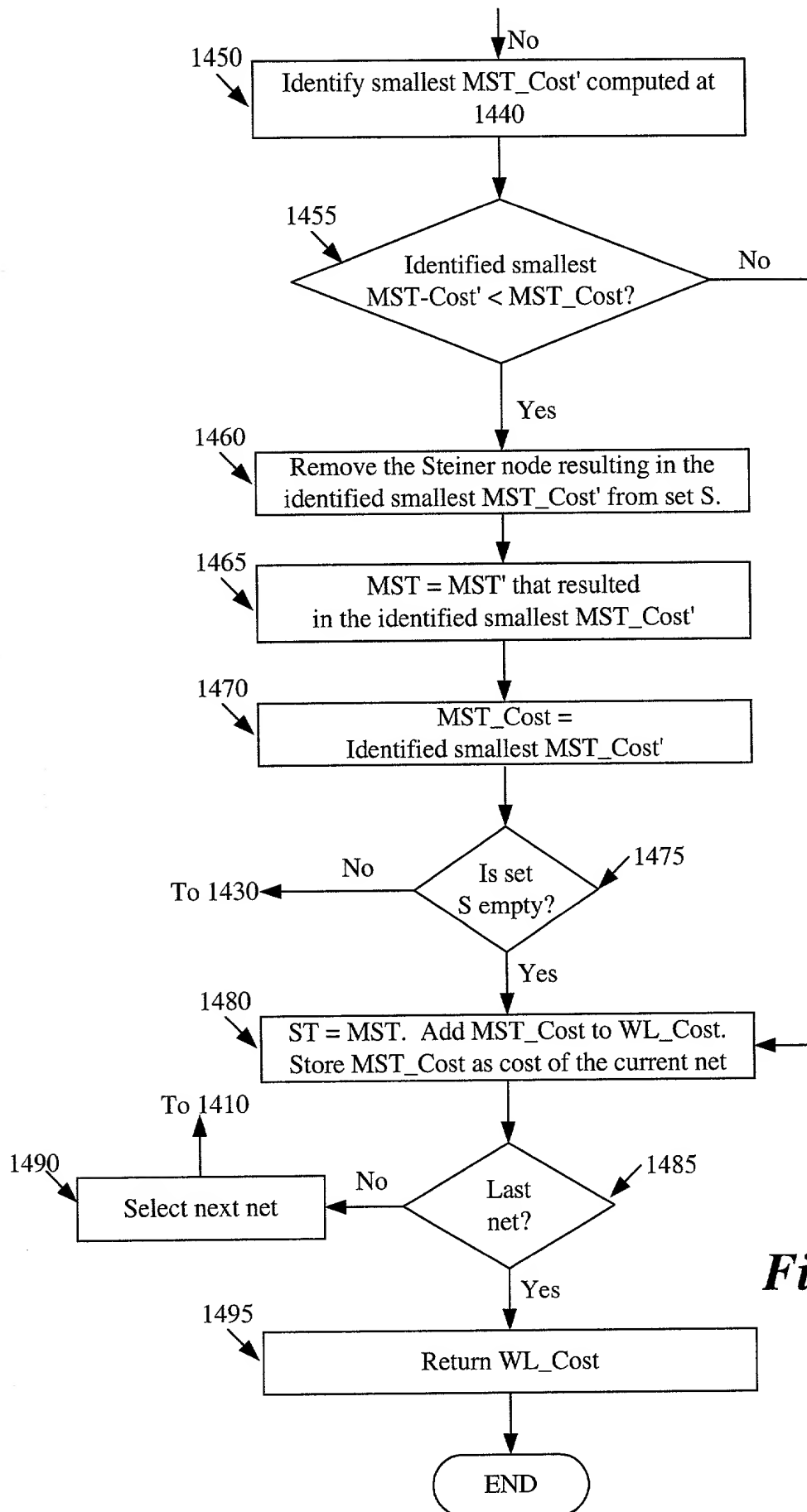


Figure 14B

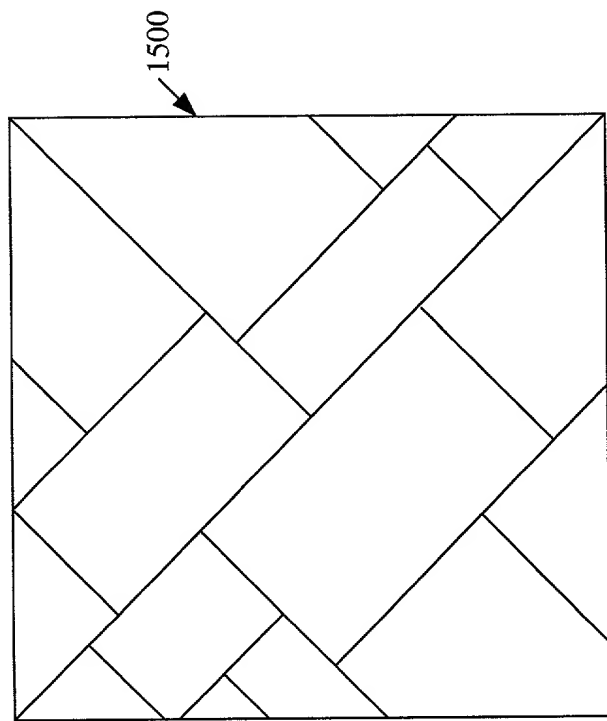


Figure 15

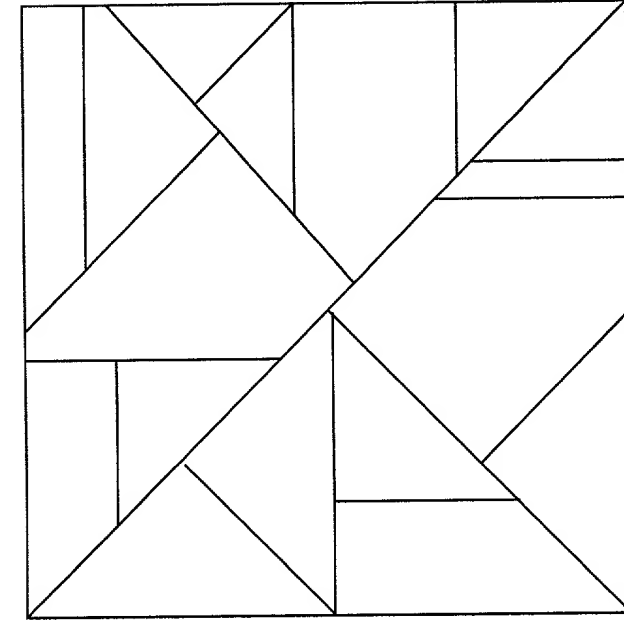


Figure 16

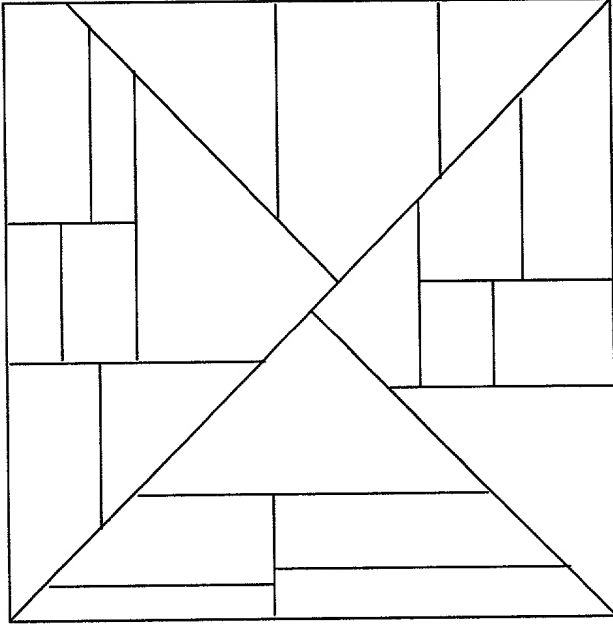


Figure 17

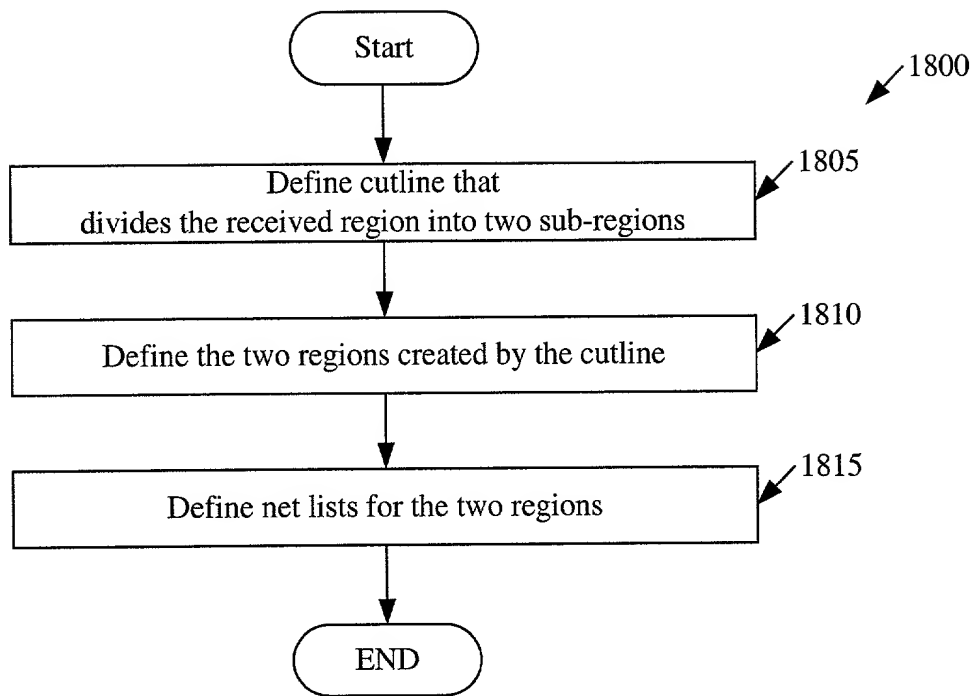


Figure 18

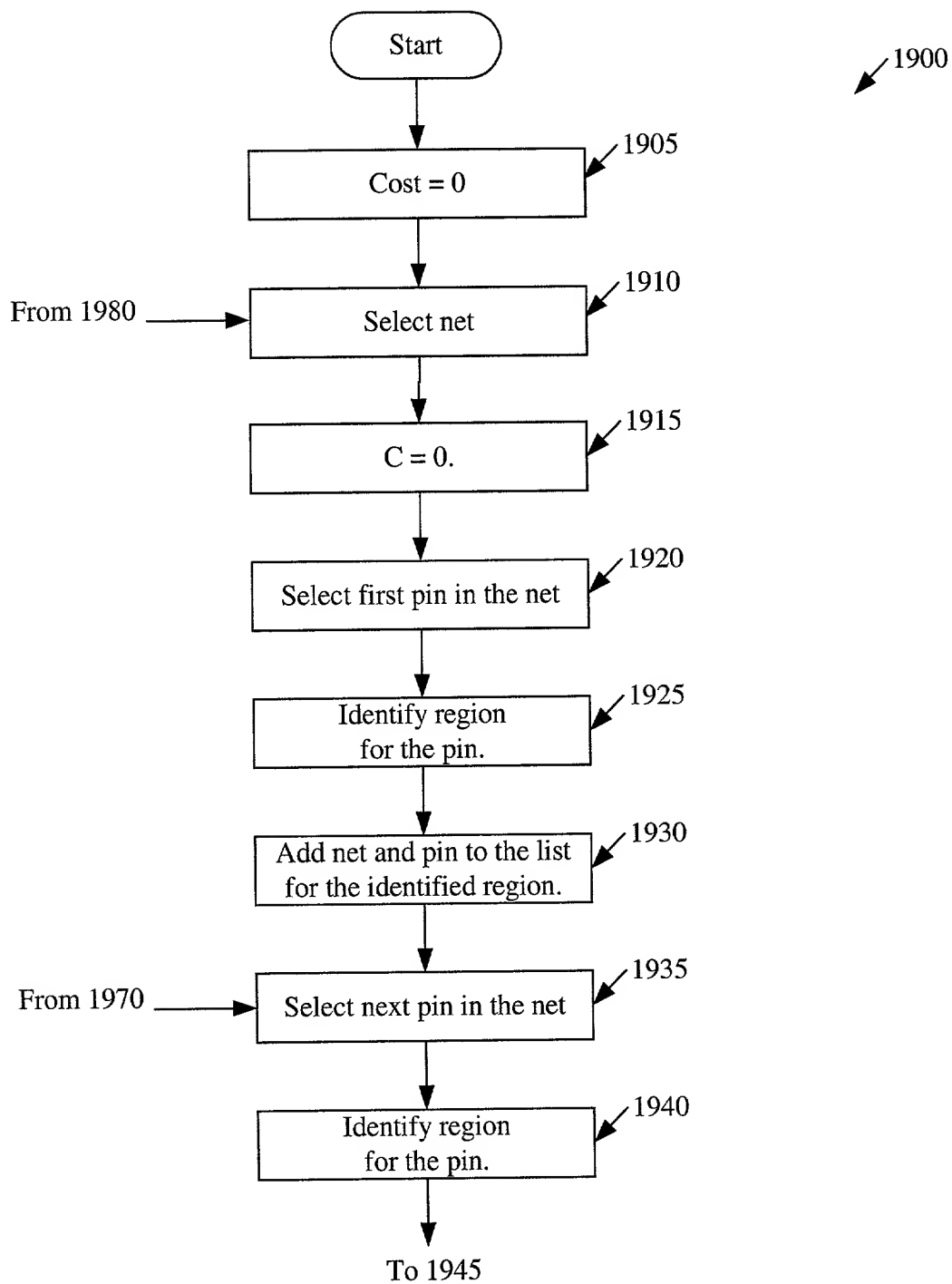


Figure 19A

Figure 19: Figure 19A
Figure 19B

```

graph TD
    Start(( )) --> 1945{Does this pin fall  
in the same region as  
the first pin?}
    1945 -- Yes --> 1950[Add pin to the list for the  
identified region.]
    1945 -- No --> 1955{C = 0?}
    1955 -- No --> 1965[Add pin to the list for  
the identified region.]
    1955 -- Yes --> 1960[C=1.  
Add net and pin to the list  
for the identified region.]
    1960 --> 1970{Last pin?}
    1965 --> 1970
    1970 -- No --> 1935[To 1935]
    1970 -- Yes --> 1975[Add C to Cost.  
Store C as cost of current net]
    1975 --> 1980{Last net?}
    1980 -- No --> 1910[To 1910]
    1980 -- Yes --> 1985[Return Cost.]
    1985 --> END([END])

```

Figure 19B

Figure 19B

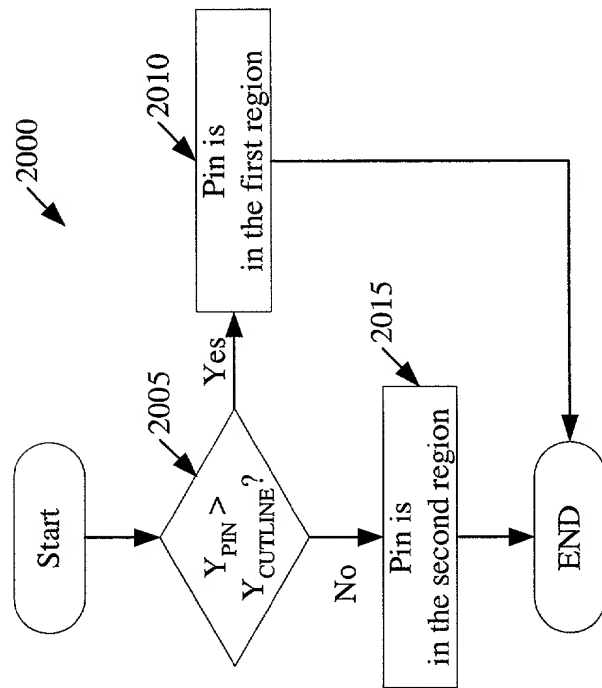


Figure 20

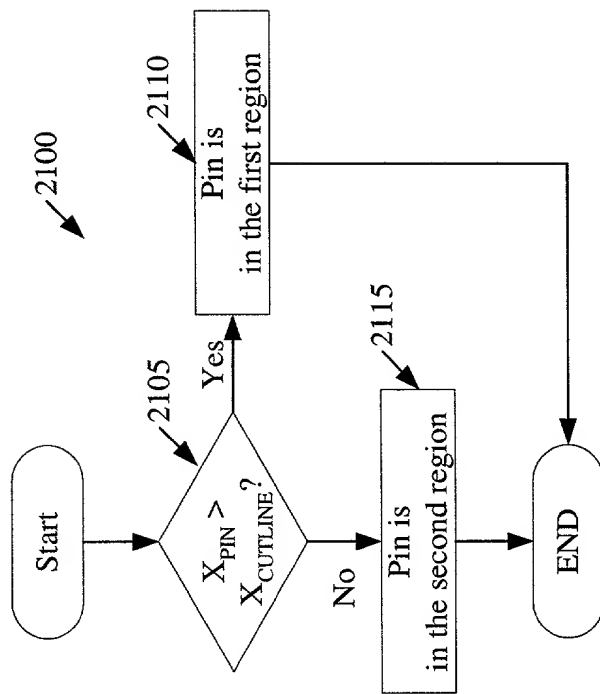


Figure 21

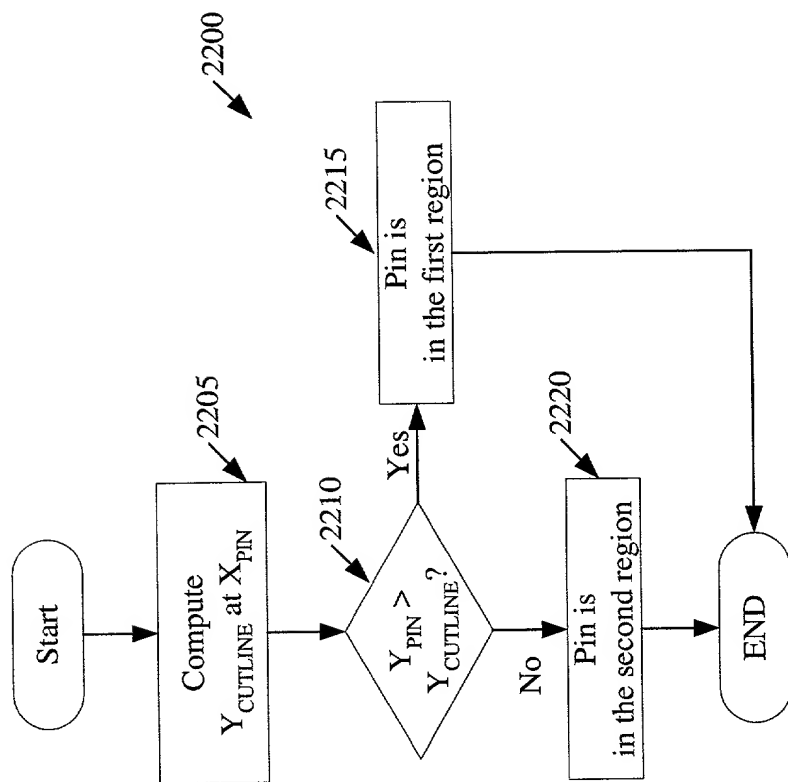


Figure 22

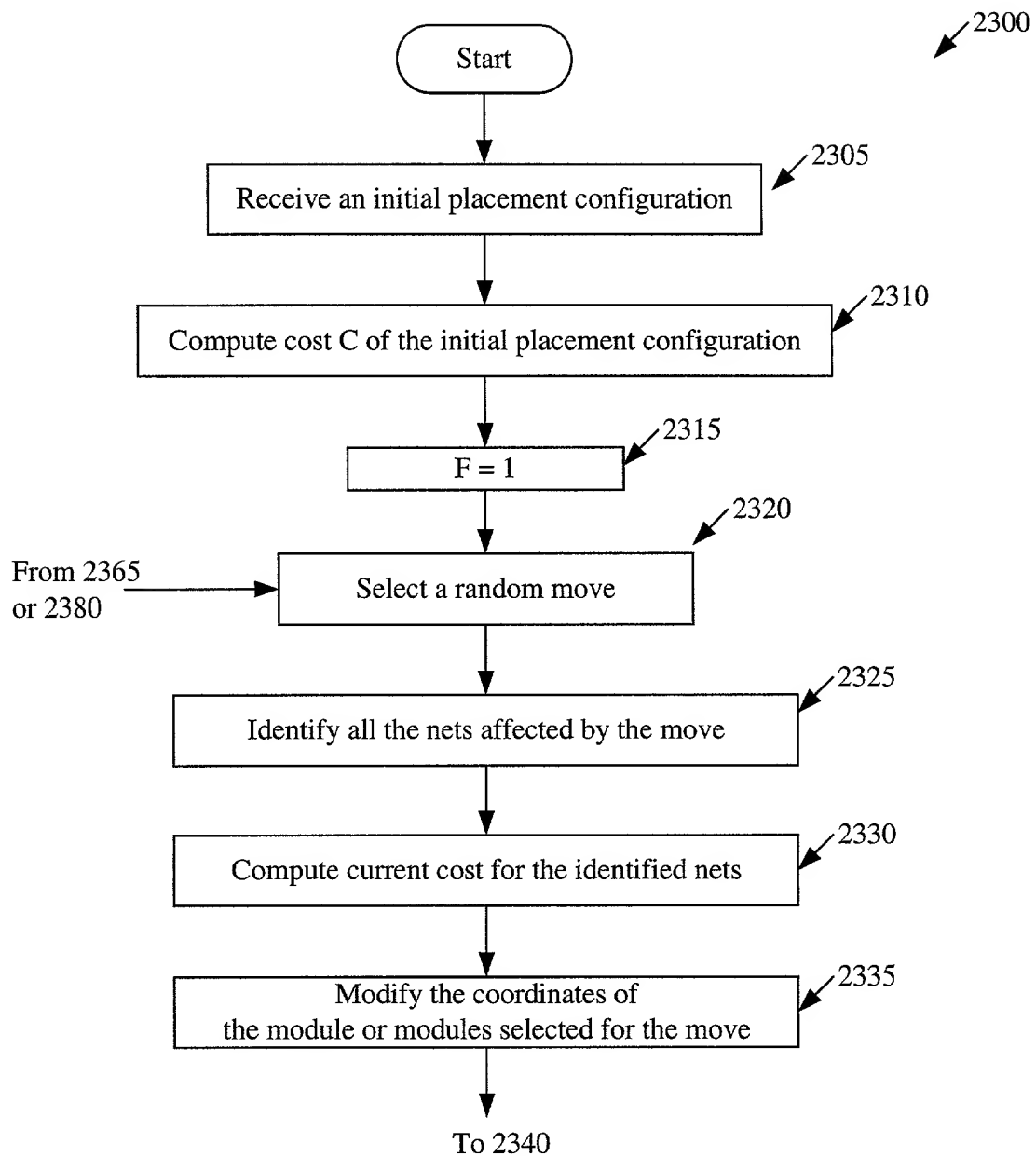


Figure 23A

Figure 23: $\frac{\text{Figure 23A}}{\text{Figure 23B}}$

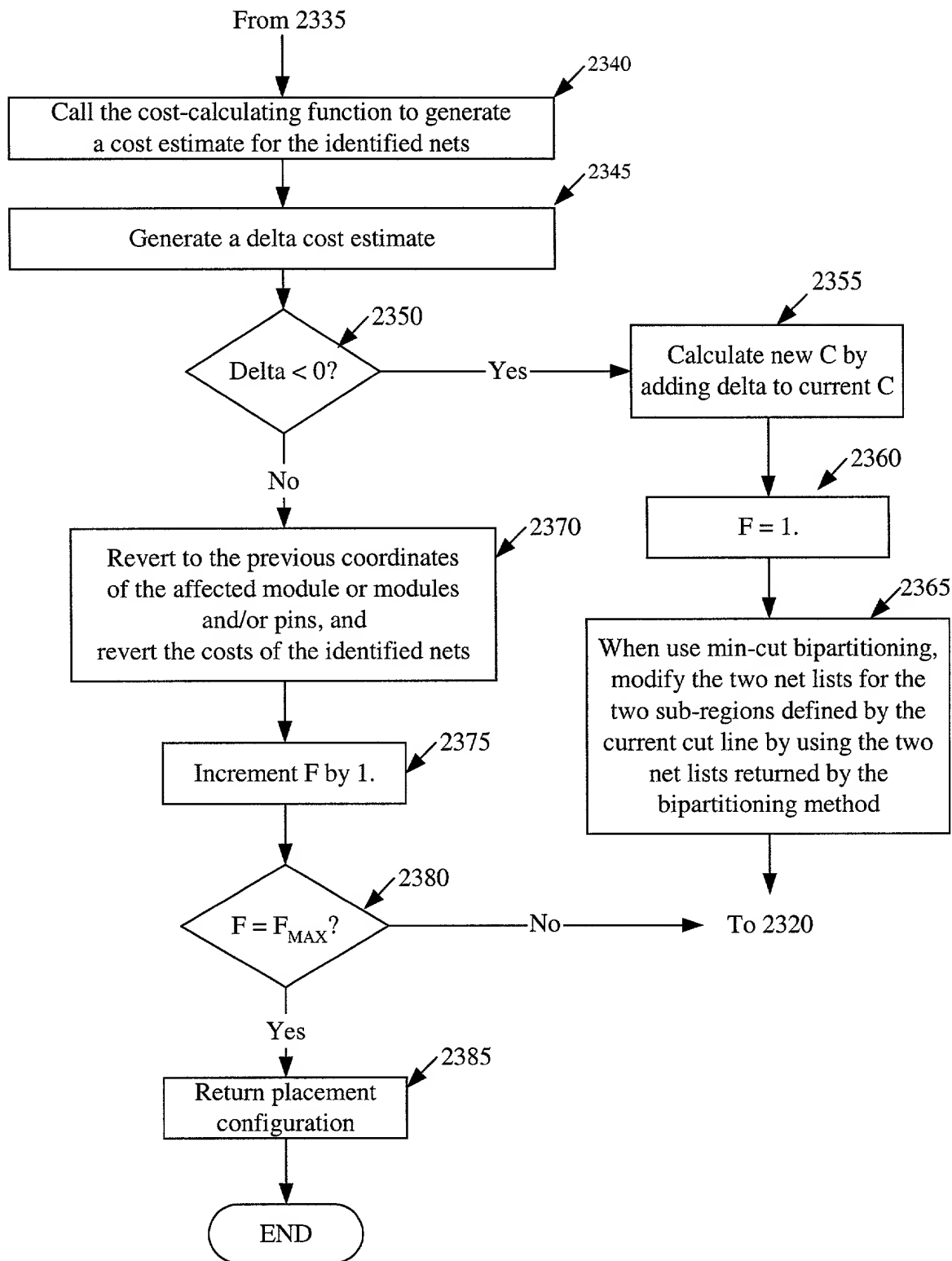


Figure 23B

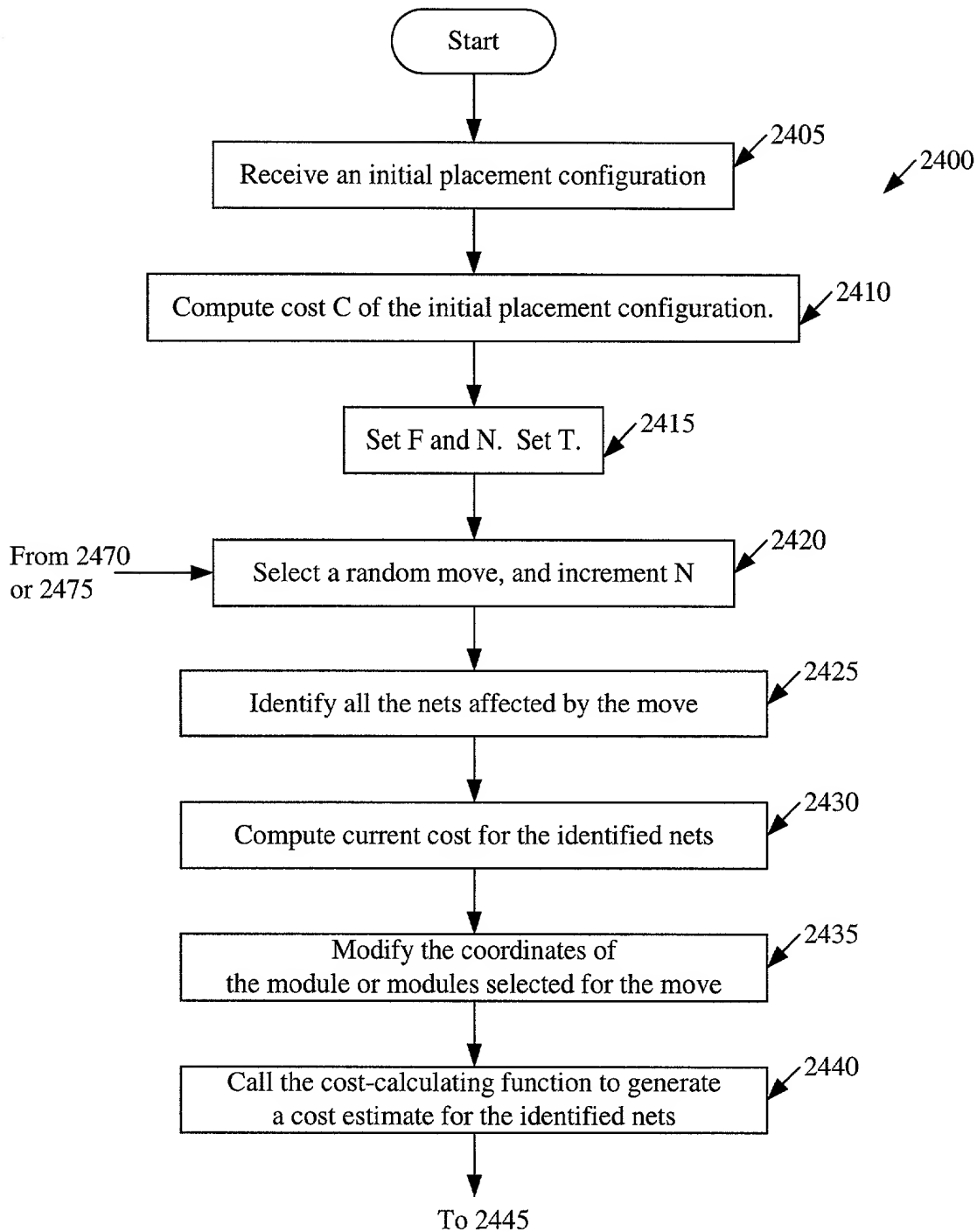


Figure 24A

Figure 24: *Figure 24A*
Figure 24B

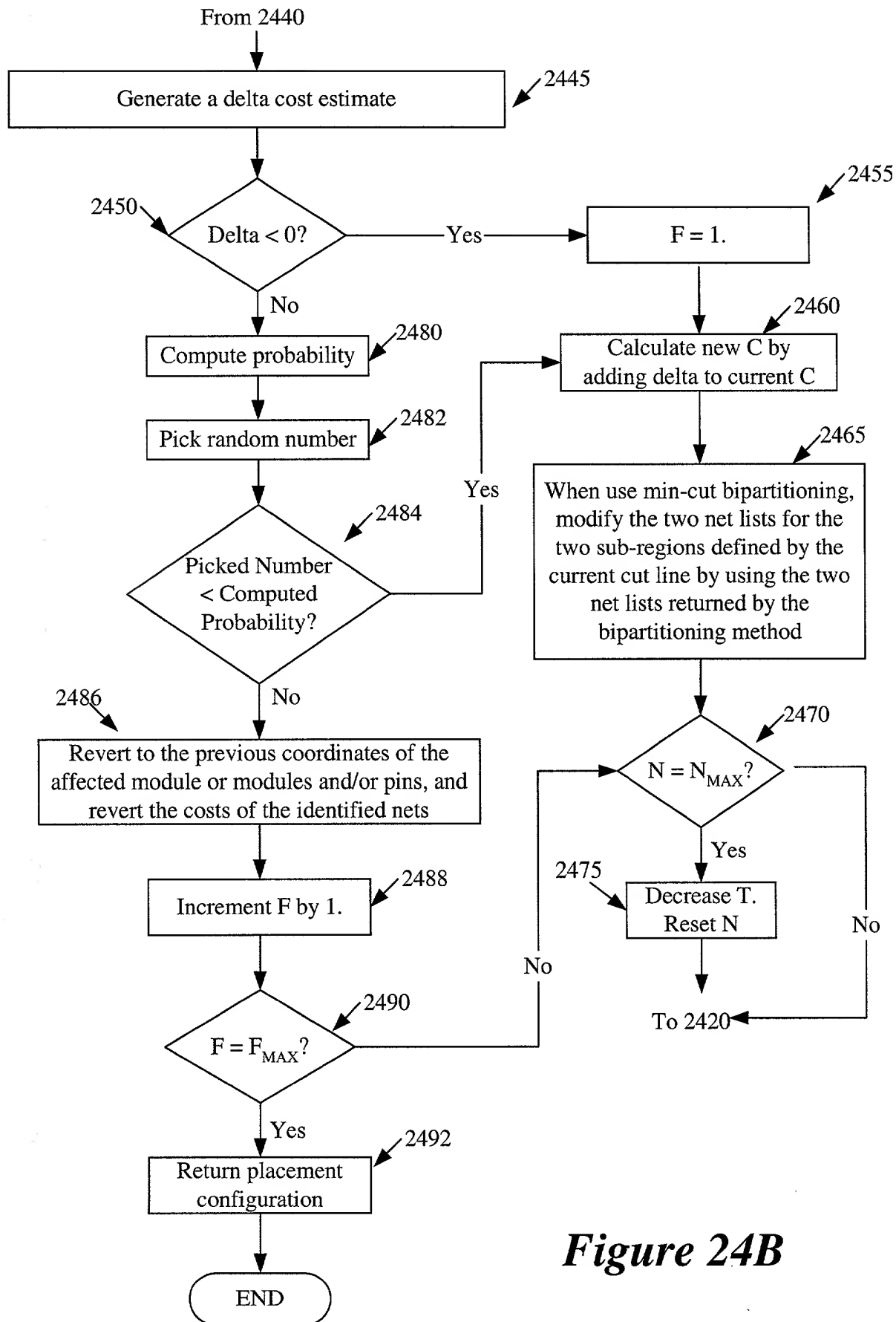


Figure 24B

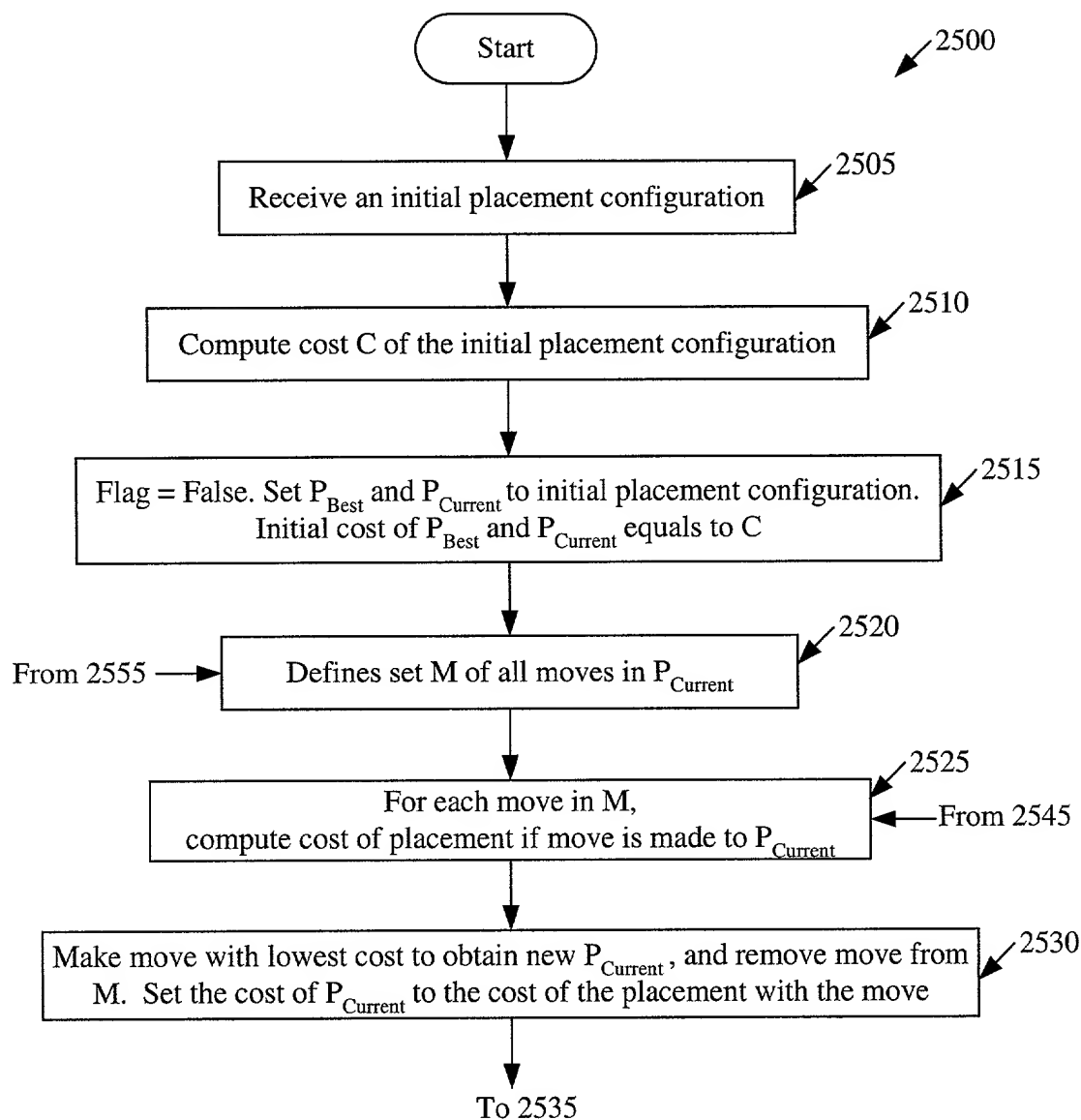


Figure 25A

Figure 25: *Figure 25A*
Figure 25B

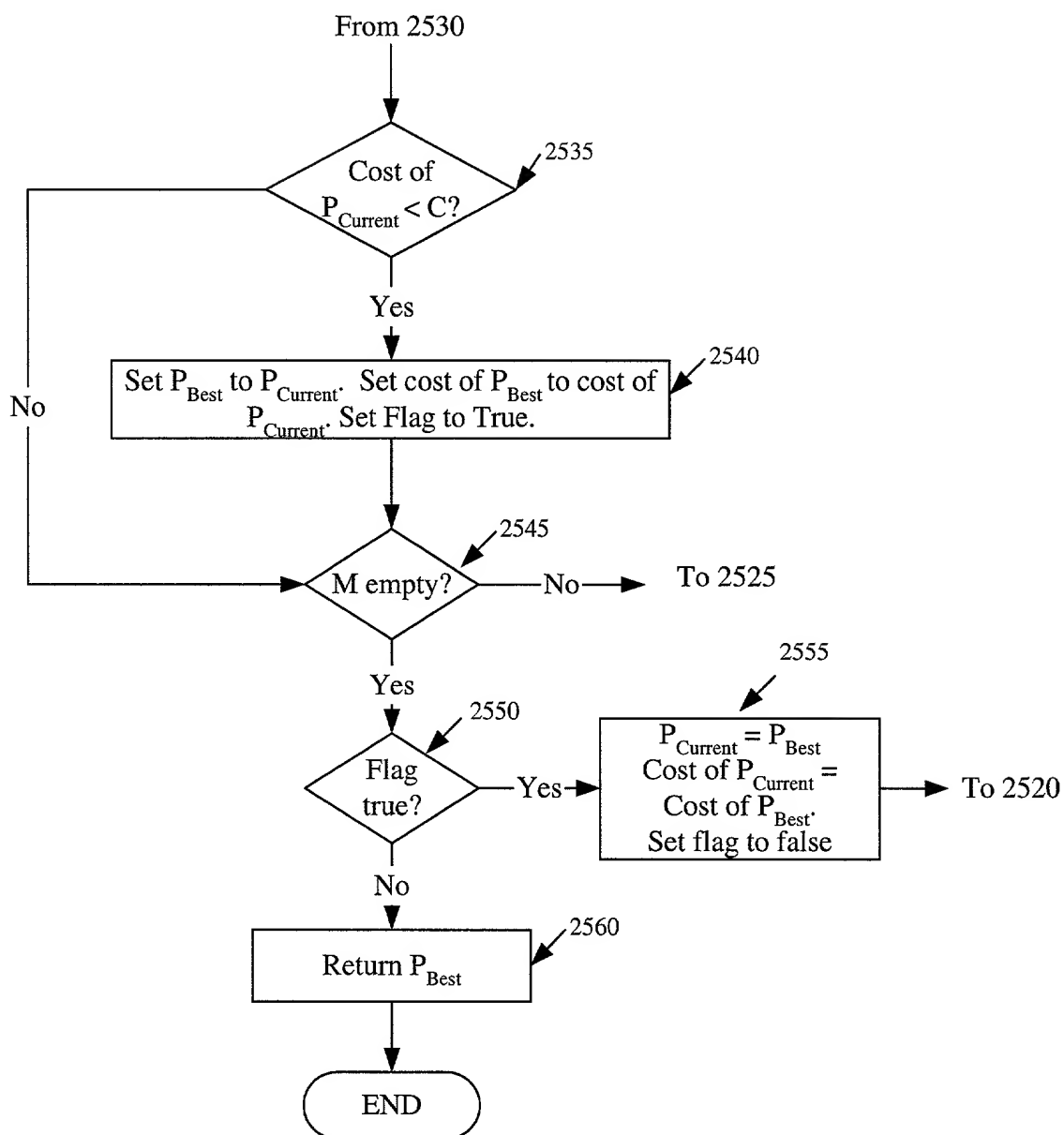


Figure 25B

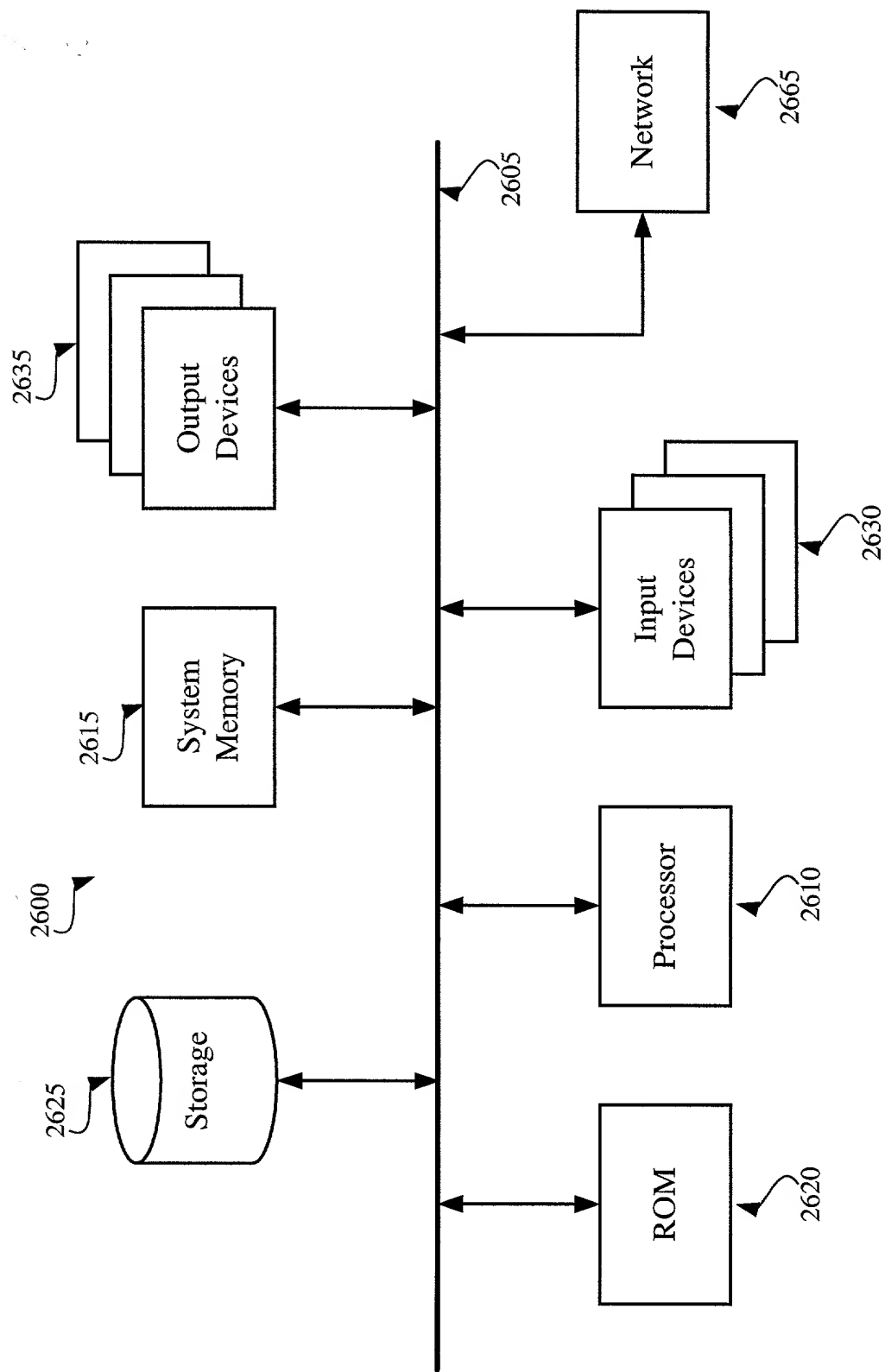


Figure 26